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PA)T COOPERATION TREAT

From the INTERNATIONAL BUREAU

PCT Commissioner **NOTIFICATION OF ELECTION US** Department of Commerce **United States Patent and Trademark** Office, PCT (PCT Rule 61.2) 2011 South Clark Place Room CP2/5C24 Arlington, VA 22202 **ETATS-UNIS D'AMERIQUE** Date of mailing (day/month/year) in its capacity as elected Office 08 February 2001 (08.02.01) International application No. Applicant's or agent's file reference PCT/US00/17635 CM2334/2B International filing date (day/month/year) Priority date (day/month/year) 27 June 2000 (27.06.00) 28 June 1999 (28.06.99) EVANS, Erica, Louise et al 1. The designated Office is hereby notified of its election made: | X | in the demand filed with the International Preliminary Examining Authority on: 27 December 2000 (27.12.00) in a notice effecting later election filed with the International Bureau on: 2. The election was made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

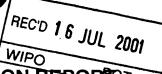
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer

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PCT



INTERNATIONAL PRELIMINARY EXAMINATION REPORTS

(PCT Article 36 and Rule 70)

14

		1 7
Applicant's or agent's file reference	FOR FURTUER ACTION	See Notification of Transmittal of International
CM2334/2B	FOR FURTHER ACTION	Preliminary Examination Report (Form PCT/IPEA/416)
International application No.	International filing date (day/mont	h/year) Priority date (day/month/year)
PCT/US00/17635	27/06/2000	28/06/1999
International Patent Classification (IPC) or n A61K7/50	ational classification and IPC	
Applicant		
THE PROCTER & GAMBLE COMF	PANY et al.	
This international preliminary exam	ainatina annat ban ban a	
and is transmitted to the applicant		d by this International Preliminary Examining Authority
This REPORT consists of a total o	f 6 sheets, including this cover s	heet.
been amended and are the ba	ed by ANNEXES, i.e. sheets of the sist of the sist of the second and/or sheets of the Administrative Instruction	ne description, claims and/or drawings which have containing rectifications made before this Authority ons under the PCT).
These annexes consist of a total o	f sheets.	
This report contains indications relations	ating to the following items:	
I ⊠ Basis of the report		
II □ Priority		
_		ventive step and industrial applicability
IV □ Lack of unity of inventi V ☒ Reasoned statement u		
	ons suporting such statement	novelty, inventive step or industrial applicability;
VI 🛛 Certain documents cit		
VII 🛛 Certain defects in the i	nternational application	
_	n the international application	
·		
Date of submission of the demand	Date of	completion of this report
	Jule 0.	
27/12/2000	12.07.20	001
Name and mailing address of the international	al Authoriz	ed officer
preliminary examining authority:		is the state of th
European Paterit Office D-80298 Munich	Hillebr	echt, D
Tel. +49 89 2399 - 0 Tx: 52365 Fax: +49 89 2399 - 4465	·	ne No. +49 89 2399 8168
	i ciepno	



International application No. PCT/US00/17635

I. Basis of the report

	and		ise to an invitation under Article 14 are referred to in this re eport since they do not contain amendments (Rules 70.16			
	1-3	38 as ori	ginally filed			
	Cla	aims, No.:				
	1-1	10 as ori	ginally filed			
2	\	ith regard to the language	all the elements marked above were available or furnished	l to this Authority in the		
		With regard to the language , all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.				
	The	ese elements were availab	le or furnished to this Authority in the following language:	, which is:		
		the language of a transla	tion furnished for the purposes of the international search (under Rule 23.1(b)).		
		the language of publication	on of the international application (under Rule 48.3(b)).			
		the language of a transla 55.2 and/or 55.3).	tion furnished for the purposes of international preliminary	examination (under Rule		
3.			e and/or amino acid sequence disclosed in the internation nination was carried out on the basis of the sequence listing			
		contained in the internation	onal application in written form.			
		filed together with the inte	ernational application in computer readable form.			
		furnished subsequently to	this Authority in written form.			
		furnished subsequently to	this Authority in computer readable form.			
			ubsequently furnished written sequence listing does not go on as filed has been furnished.	beyond the disclosure in		
		The statement that the in listing has been furnished	formation recorded in computer readable form is identical t d.	o the written sequence		
4.	The	e amendments have result	ed in the cancellation of:			
		the description, pag	es:			
		the claims, Nos	s.:			
		the drawings, she	ets:			
5.			ablished as if (some of) the amendments had not been made the disclosure as filed (Rule 70.2(c)):	de, since they have been		

1. With regard to the elements of the international application (Replacement sheets which have been furnished to



International application No. PCT/US00/17635

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

- 6. Additional observations, if necessary:
- V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability: citations and explanations supporting such statement
- 1. Statement

Novelty (N)

Yes:

Claims 2-10

No: Yes: Claims 1

Inventive step (IS)

Claims

No: Claims 1-10

Industrial applicability (IA)

Yes:

Claims 1-10

No:

Claims

2. Citations and explanations see separate sheet

VI. Certain documents cited

1. Certain published documents (Rule 70.10)

and / or

2. Non-written disclosures (Rule 70.9)

see separate sheet

VII. Certain defects in the international application

The following defects in the form or contents of the international application have been noted: see separate sheet

VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made: see separate sheet

Reference is made to the following documents:

D1: WO 96 03970 A (WITCO CORP) 15 February 1996

D2: WO 99 24008 A (DULAK MICHAEL ;KAUFMAN STACY R) 20 May 1999

D3: WO 00 00172 A (PROCTER & GAMBLE (US)) 6 January 2000

- The subject-matter of the present claims is neither new nor involves an inventive ٧. step, in contrast to Article 33(1) to (3) PCT.
- 1. Present claim 1 claims a cosmetic method applying a composition comprising a quaternary ammonium agent and a humectant to the skin followed by rinsing the skin.
- 2. Respective methods are already known from D2. D2 discloses compositions (examples 1 to 5) which comprise a guat and propylene glycol. According to page 14, lines 15 to 18, the composition is rinsed off after applying it to the skin.
- 3. The present application is directed to the problem of providing a method which provides skin benefits without showing negatives such as greasiness, stickiness or tackiness. The problem can be overcome by a method as defined in claim 1. It is submitted that the problem, if there is any, only can be solved when a considerable amount of quats is present. However, the application even includes methods wherein the compositions comprise solely minor amounts. The subjectmatter of the claims thus cannot be regarded as inventive within the entire scope of the claims.

Moreover, a huge number of cosmetic products comprise cationic surfactants/ emulsifiers, which are generally quaternary ammonium compounds. Furthermore, humectants are also well known as a conventional additive for skin care products, see D1 and D2. It is common practice that a skin care composition is rinsed off after its application. It is submitted that there are no time limits for the rinse off step. Even if the composition was applied in the morning and is rinsed off in the evening, this would be within the scope of the claims.

In addition, cationic surfactants (quats) are well known to be suitable as

INTERNATIONAL PRELIMINARY



International application No. PCT/US00/17635

EXAMINATION REPORT - SEPARATE SHEET

emulsifiers in cosmetic composition. The skilled man would therefore expect that they can also emulsify humectants in order to improve their delivery benefits to the skin. It is furthermore well known that excess amounts of compositions can be rinsed off the skin, thereby reducing negative effects like greasiness. Applicants did not show that there is any unexpected advantage by applying the claimed method. Nevertheless, even if there was such an advantage, an inventive step could not be acknowledged, since the combination of the known compositions and the sequence of applying and rinsing would appear to be very obvious.

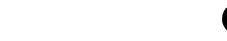
- 4. The subject-matter of the dependent claims is either already known from D1 to D2 or at least obvious to those skilled in the art.
- VI. Certain published documents (Rule 70.10)

Application No Patent No	Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim) (day/month/year)
WO-A-00/00172(D3)	06.01.2000	29.06.1999	29.06.1998

D3 may become relevant during the regional/national phase of the procedure since it discloses a method of conditioning the hair and thus the scalp using a composition comprising a quat and a humectant followed by a rinse step.

VII.

- 1. Compounds of formulae (IV), (V), and (VIII) on pages 11 and 12, respectively, do not reflect ammonium compounds.
- Obviously the names of the compounds on page 15 are not correct. Apparently 2. these compounds should be regarded as "esterquats". However, e.g. the term "canolyl-oxy" reflects an alkyloxy group rather than an acyloxy (ester) group.
- 3. The documents EP-A-789 076 and US-A-5880289 cited on pages 2 and 36. respectively, are apparently not directed to the field of cosmetics or to a related technical field.
- VIII. The vague and imprecise statement in the description on page 26 "spirit of the



INTERNATIONAL PRELIMINARY **EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/US00/17635

invention" implies that the subject-matter for which protection is sought may be different to that defined by the claims, thereby resulting in lack of clarity (Article 6 PCT) when used to interpret them (see also the PCT Guidelines, III-4.3a).

UV/

PCT COOPERATION TREATY

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	(Form PCT/ISA/2	f Transmittal of International Search Report 20) as well as, where applicable, item 5 below.
CM2334/2B	ACTION	
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/US 00/17635	27/06/2000	28/06/1999
Applicant		
 THE PROCTER & GAMBLE COMP/	ANV at al	
THE PROCTER & GAMBLE COMP	ANT et al.	
This International Search Report has been	prepared by this International Searching Auth	pority and in transmitted to the applicant
according to Article 18. A copy is being tra	nsmitted to the International Bureau.	only and is transmitted to the applicant
This International Search Report consists	of a total of 3 sheets.	
	a copy of each prior art document cited in this	report.
Basis of the report a. With regard to the language, the i	nternational search was carried out on the bas	in of the international and in the
language in which it was filed, unle	ess otherwise indicated under this item.	is of the international application in the
the international search was Authority (Rule 23.1(b)).	as carried out on the basis of a translation of th	ne international application furnished to this
b. With regard to any nucleotide and	d/or amino acid sequence disclosed in the in	ternational application, the international search
was carried out on the basis of the contained in the internatio	sequence listing : nal application in written form.	
	rnational application in computer readable form	1.
furnished subsequently to	this Authority in written form.	
furnished subsequently to	this Authority in computer readble form.	
the statement that the sub international application as	sequently furnished written sequence listing do s filed has been furnished.	pes not go beyond the disclosure in the
the statement that the info furnished	rmation recorded in computer readable form is	identical to the written sequence listing has been
2. Certain claims were four	nd unsearchable (See Box I).	
3. Unity of invention is lack	ing (see Box II).	
4. With regard to the title ,		
the text is approved as sul	omitted by the applicant.	
=	ned by this Authority to read as follows:	
_		
5. With regard to the abstract.		
the text is approved as sut	omitted by the applicant.	
the text has been establish within one month from the	ned, according to Rule 38.2(b), by this Authority date of mailing of this international search repo	y as it appears in Box III. The applicant may, ort, submit comments to this Authority.
6. The figure of the drawings to be public		
as suggested by the applic	•	None of the figures.
because the applicant faile	d to suggest a figure.	-
because this figure better	characterizes the invention.	

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61K7/50

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7-A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 96 03970 A (WITCO CORP) 15 February 1996 (1996-02-15) page 11, line 15 - line 17 page 15, line 14 - line 27 page 19, line 14 - line 16 claims 12-22	1-3,5,7
X	WO 99 24008 A (DULAK MICHAEL ; KAUFMAN STACY R (US)) 20 May 1999 (1999-05-20) page 14, line 6 page 14, line 16 - line 18 examples claim 20	1,2,5-7

Y Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
19 October 2000	07/11/2000
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Authorized officer Pelli Wablat, B

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	n) DOCUMENTS CONSIDERED TO BE RELEVANT	
tegory ° Ci	tation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
,х	WO 00 00172 A (PROCTER & GAMBLE (US)) 6 January 2000 (2000-01-06) page 22, paragraph 3 page 25, last paragraph claims	1-3,7,10

1

Patent document cited in search report	ı	Publication date	i	Patent family member(s)	Publication date
WO 9603970	Α	15-02-1996	US	5552137 A	03-09-1996
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			AU	3214495 A	04-03-1996
			BR	9508862 A	16-09-1997
			CA	2196803 A	15-02-1996
			CN	1158560 A	03-09-1997
			EP	0767653 A	16-04-1997
			JP	10506882 T	07-07-1998
			US	5610187 A	11-03-1997
WO 9924008	Α	20-05-1999	US	6043204 A	28-03-2000
			AU	1310799 A	31-05-1999
			EP	0983044 A	08-03-2000
WO 0000172	A	06-01-2000	WO	0000169 A	06-01-2000
			AU	4843999 A	17-01-2000
			AU	8383198 A	17-01-2000